

- 14 -

CLAIMS

1. A wheeled conveyance (2) comprising: a chassis (4); support means for a load mounted on the chassis (4); a
5 suspension assembly mounted on the chassis (4) and comprising suspension arms (8, 20) pivotably mounted on the chassis (4) and extending in forward and rearward directions in the region of opposite sides of the chassis (4), each suspension arm having a wheel (18, 28)
10 rotatably mounted at the free end (18, 28) thereof, and two separate spring means (32), one disposed in the region of each side of the chassis (4), the free ends (18, 28) of the forwardly and rearwardly extending suspension arms (8, 20) being arranged to tend to pivot
15 towards each other by means of the two separate spring means (32) being provided between, and acting on, the forwardly and rearwardly extending suspension arms (8, 20); and two shock absorber means (38) separately cooperating between the chassis (4) and each of the
20 suspension arms (8, 20) extending in the forward direction, characterised in that the two shock absorber means (38) are provided in a substantially horizontal plane so as to limit and dampen tilting of the chassis (4) relative to at least part of the suspension assembly
25 under dynamic load conditions tending to produce such tilting whilst upward and downward movement of the wheels (16, 26) with the suspension arms (8, 20) is substantially uninhibited thereby in the absence of tilting motion of the chassis (4).
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2. A wheeled conveyance as claimed in claim 1, characterised in that the wheels (16, 26) mounted at the free ends (18, 28) of one of the forwardly extending and rearwardly extending suspension arms (8, 20) are provided

- 15 -

with swivel means arranged such that the wheels (19, 26) are adapted to swivel independently of one another.

3. A wheeled conveyance as claimed in claim 1 or 2,
5 characterised in that the wheels (16, 26) mounted at the free ends (18, 28) of one of the forwardly extending and rearwardly extending suspension arms (8, 20) are provided with swivel means arranged such that the wheels (19, 26) are adapted to swivel about a generally upright axis.

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4. A wheeled conveyance as claimed in claim 2 or 3, characterised in that the wheels (16, 26) provided with swivel means are further provided with limiting means permitting swivelling through a predetermined limited
15 range.

5. A wheeled conveyance as claimed in any preceding claim, characterised in that the wheeled conveyance is non-powered.

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6. A wheeled conveyance as claimed in any one of claims 1 to 4, characterised in that the wheeled conveyance is self-propelled.

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7. A wheeled conveyance as claimed in claim 6, characterised in that the self-propelled wheeled conveyance comprises a motorised wheelchair, having a support means comprising a seat (6).

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8. A wheeled conveyance as claimed in claim 6 or 7, characterised in that the wheels (16) mounted at the free ends (28) of the suspension arms (20) extending in the rearward direction are each motor-driven and the wheels (26) mounted at the free ends (18) of the suspension arms

- 16 -

(8) extending in the forward direction are provided with swivel means adapted to allow the wheels (26) to swivel.

9. A wheeled conveyance as claimed in claim 6 or 7,
5 characterised in that the wheels (26) mounted at the free ends (18) of the suspension arms (8) extending in the forward direction are each motor-driven and the wheels (16) mounted at the free ends (28) of the suspension arms (20) extending in the rearward direction are provided
10 with swivel means adapted to allow the wheels (16) to swivel.

10. A wheeled conveyance as claimed in claim 8 or 9,
characterised in that the motor-driven wheels are powered
15 by separate motors (30).

11. A wheeled conveyance as claimed in claim 10,
characterised in that the separate motors are electric
motors (30).
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12. A wheeled conveyance as claimed in claim 11,
characterised in that the electric motors (30) are
powered by one or more batteries.

25 13. A wheeled conveyance as claimed in claim 12,
characterised in that the one or more batteries are mounted on the chassis (4).

14. A wheeled conveyance as claimed in any one of claims
30 8 to 13, characterised in that a manually-operated controller is provided for controlling the motors (30) whereby motion and steering of the conveyance is controlled.

- 17 -

15. A wheeled conveyance as claimed in claim 14, characterised in that the manually-operated controller is a joystick.

5 16. A wheeled conveyance as claimed in any preceding claim, characterised in that the two shock absorber means (38) are provided with adjustment means to effect a desired extent of limitation of the tilting of the chassis (4).

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17. A wheeled conveyance as claimed in any preceding claim, characterised in that the two shock absorber means (38) are provided with adjustment means adapted to substantially minimise tilting of the chassis (4).

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18. A wheeled conveyance as claimed in any preceding claim, characterised in that each of the two shock absorber means (38) are of elongate telescopic form, having one end (40) thereof pivotably secured to the
20 chassis (4) and an opposite end (44) thereof pivotably secured to the associated forwardly extending suspension arm (8).

19. A wheeled conveyance as claimed in any one of claims
25 1 to 17, characterised in that each of the two shock absorber means (38) are of elongate telescopic form, having one end (40) thereof pivotably secured to the chassis (4) and an opposite end (44) thereof pivotably secured to a strut (46) extending upwardly from the
30 associated forwardly extending suspension arm (8).

20. A wheeled conveyance as claimed in claim 18 or 19, characterised in that the pivotably secured ends (40, 44) of each of the two shock absorber means of elongate
35 telescopic form are adapted to pivot during corresponding

- 18 -

pivoting of its associated forwardly extending suspension arm (8).

21. A wheeled conveyance as claimed in any preceding
5 claim, characterised in that the two shock absorber means
(38) are adapted to operate simultaneously and
collectively to limit the forward tilting of the chassis
(4), with each shock absorber means acting independently
on its associated forwardly extending suspension arm (8).